IGPS-C1042GP

IGPS-C1042GP series

Industrial 6-port Unmanaged Gigabit PoE Ethernet Switch with 4x10/100/1000Base-T(X) P.S.E and 2 x100/1000Base-X, SFP socket

Features

- Support 4 ports 10/100/1000Base-T(X) P.S.E ports
- Support IEEE 802.3at compliant PoE and total power budget is 120Watts with maximum 30Watts per port.
- Support 2 ports 100/1000Base-X SFP socket
- Support auto-negotiation and auto-MDI/MID-X
- Support Store and forward transmission
- Support flow control
- Rigid IP-40 housing design
- DIN-rail mounting enable



Full PoE Redundant PWR -40~75°C Temperature

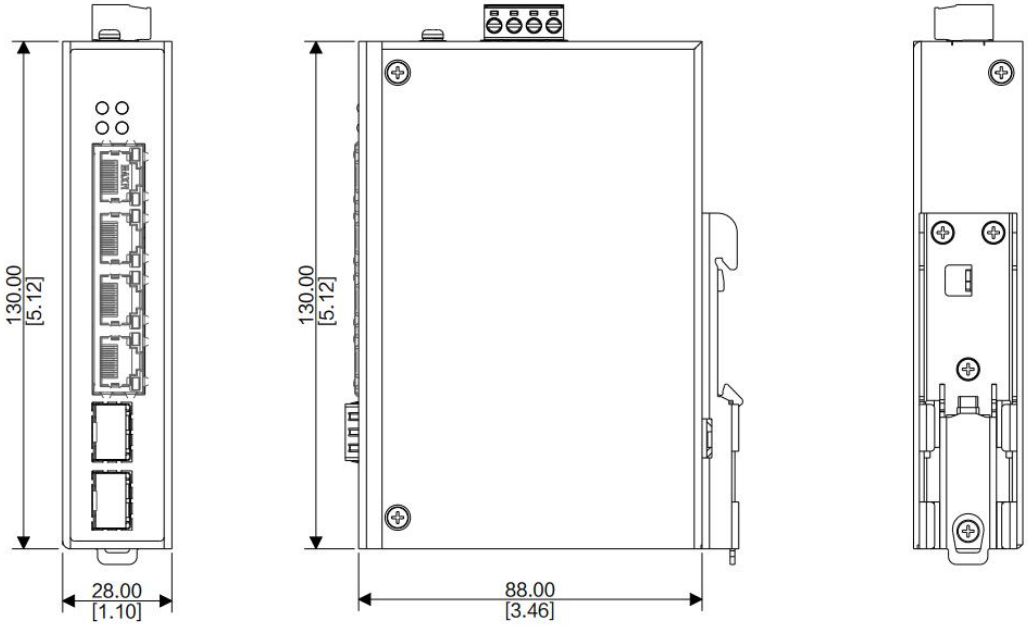
ROHS CE FC

Introduction

IGPS-C1042GP is unmanaged Ethernet Switch with 4x10/100/1000Base-T(X) P.S.E ports with 2x100/1000Base-X SFP ports and extended operating temperature range from -40℃ to 75℃ for the harsh environments. IGPS-C1042GP supports power over Ethernet, a system to transmit electrical power, along with data, to remote devices over standard twisted-pair cable in an Ethernet network. P.S.E is a device (switch or hub for instance) that will provide power in a PoE setup. Therefore, the switch is one of the most reliable choices for rolling stock and highly unmanaged PoE Ethernet application.

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Dimensions



PoE PIN Definition

10/100Base-T(X) P.S.E RJ-45 port	
RJ-45 PIN Definition	
PIN No.	Description
#1	TD+ with PoE Power input +
#2	TD+ with PoE Power input +
#3	RD+ with PoE Power input -
#6	RD+ with PoE Power input -

1000Base-T(X) P.S.E RJ-45 port	
RJ-45 PIN Definition	
PIN No.	Description
#1	BI_DA+ with PoE Power input +
#2	BI_DA- with PoE Power input +
#3	BI_DB+ with PoE Power input -
#4	BI_DC+
#5	BI_DC-
#6	BI_DB- with PoE Power input -
#7	BI_DD+
#8	BI_DD-

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Specifications

ORing Switch Model	IGPS-C1042GP
Physical Ports	
10/100/1000Base-T(X) Ports in RJ45 Auto MDI/MDIX with P.S.E	4
100/1000Base-X with SFP port	2
Technology	
Ethernet Standards	IEEE 802.3 for 10Base-T IEEE 802.3u for 100Base-TX and 100Base-FX IEEE 802.3ab for 1000Base-T IEEE 802.3z for 1000Base-X IEEE 802.3x for Flow control IEEE 802.3af/at PoE specification
MAC Table	4K
Processing	Store-and-Forward
Jumbo Frame	9K Bytes
Switch Properties	Switching latency: 9 us Switching bandwidth: 12Gbps
LED indicators	
Power Indicator (PWR)	Green: Power LED x2
10/100/1000Base-T(X) RJ45 Port Indicator	Upper LED for Link/Act indicator: Green for port Link/Act Lower LED for POE indicator: Green for POE output
100/1000Base-X SFP Port Indicator	Green for port Link/Act
Power	
Redundant Input power	Dual 48~57VDC on 4-pin terminal block
Power consumption (Typ.)	<6Watts
PoE Power budget	120W max
Overload current protection	Present
Physical Characteristic	
Enclosure	IP-40 Metal
Dimension (W x D x H)	28(W) x 88 (D) x 130(H)mm
Environmental	
Storage Temperature	-40 to 85°C (-40 to 185°F)
Operating Temperature	-40 to 75°C (-40 to 167°F)
Operating Humidity	5% to 95% Non-condensing
Regulatory approvals	
EMC	CE EMC (EN 55024, EN 55032), EN50121-4 (compliant), FCC Part 15 B
Shock	IEC60068-2-27
Free Fall	IEC60068-2-31
Vibration	IEC60068-2-6
Safety	EN 62368-1 (LVD)
Warranty	5 years

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*NOTE: This function is available by request only

Ordering Information

IGPS-C10**A** **B** **CC**

Code Definition	10/100/1000Base-T(X) P.S.E Port Number	Additional Port Number	Additional Port Type
Option	**- 4:** 4ports	**- 2:** 2ports	**- GP:** Gigabit SFP ports

Available Model	Model Name	Description
	IGPS-C1042GP	Industrial 6-port unmanaged Gigabit PoE Ethernet switch with4x10/100/1000Base-T(X) P.S.E and 2x100/1000Base-X SFP socket.

Packing List
- IGPS-C1042GP x 1
- DIN-Rail Kit x 1
- Quick Installation Guide x 1

Optional Accessories
- DR/SDR/DRP Series DIN-Rail power supply
- SFP100 series: 100Mbps SFP Optical transceiver
- SFP 1G series: 1Gbps SFP Optical transceiver

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